

153 1. An unmanned water surface vehicle comprising:

154 a gondola housing having external lift and control foils, whereby said  
155 gondola housing may provide lift in water at sufficient speed, said gondola  
156 including a propulsion system, and;

157 a superstructure hull, said superstructure hull includes a command and  
158 control system capable of remote control, a navigation system,

159 a vehicle attitude control system, and a plurality of payloads and sensors; and

160 a strut connecting said gondola section and said superstructure, wherein  
161 said strut includes at least one void for passage of a plurality of transmission  
162 lines.

163 2. An unmanned water surface vehicle as in claim 1, further comprising:

164 a sonar system housed in said gondola housing.

165 3. An unmanned water surface vehicle as in claim 1 further comprising:

166 a payload compartment having retractable doors, and at least one payload  
167 system deployable from said payload compartment housed in said gondola  
168 housing.

169 4. An unmanned water surface vehicle as in claim 1, wherein said  
170 superstructure includes at least one deployable payload system.

171 5. An unmanned water surface vehicle as in claim 4, wherein said  
172 superstructure hull form is trimaran.

173 6. An unmanned water surface vehicle as in claim 1, wherein said strut  
174 includes a rudder.

175 7. An unmanned water surface vehicle as in claim 6, wherein the interface  
176 between said strut and said gondola is faired.

177 8. An unmanned water surface vehicle comprising:

178 a gondola housing having external lift and control foils adapted to  
179 provide lift in water at sufficient speed, said gondola housing includes a

propulsion system, a payload compartment having retractable doors, at least one payload system deployable from said payload compartment; and

a superstructure housing, said superstructure housing includes a power generation system, a semi-autonomous command and control system, a navigation system, a vehicle attitude control system, and at least one deployable payload system; and

a vertical strut connecting said gondola housing and said superstructure housing, wherein said strut includes at least one void for passage of transmission, mechanical linkages and control lines.

9. An unmanned water surface vehicle as in claim 8, further comprising: a sonar system housed in said gondola housing.

10. An unmanned water surface vehicle as in claim 8, wherein said superstructure housing forms a trimaran hull.

11. An unmanned water surface vehicle as in claim 8, wherein said strut includes a rudder.

12. An unmanned water surface vehicle as in claim 11, wherein the interface between said strut and said gondola is faired.

13. An unmanned water surface vehicle comprising:

a gondola housing having external lift and control foils, adapted to provide lift in water at sufficient speed, said gondola housing includes a propulsion system, a payload compartment, at least one payload system deployable from said payload compartment; and

a superstructure housing adapted to float on the water at sub foil lifting speeds, said superstructure housing includes a power generation system, a command and control system, a navigation system, a vehicle attitude control system, and a plurality of sensors; and means for connecting said gondola housing and said superstructure housing.

207 14. An unmanned water surface vehicle as in claim 13, further comprising:  
208 a sonar system housed in said gondola housing.

209 15. An unmanned water surface vehicle as in claim 13, wherein said  
210 superstructure includes at least one deployable payload system.

211 16. An unmanned water surface vehicle as in claim 13, wherein said means for  
212 connecting said gondola and said superstructure comprises a faired strut.

213 17. An unmanned water surface vehicle as in claim 16, wherein said strut  
214 includes a rudder.